use the flexible display panel 14 folded inside the containing space 22 for watching a displayed content, the user can open the cover portion 110 to rotate relative to the connecting portion 108 and the body portion 106, so that the main body 102 can be changed from a folded state in FIG. 9 to the 5 expanded state in FIG. 13. During the said rotating process, because the first display section 24 is fixed to the cover portion 110 and the second display section 26 is slidably disposed on the body portion 106, the first display section 24 can be rotated with the cover portion 110 from a position in 10 FIG. 9 to a position in FIG. 13. The second display section 26 can be pulled by the first display section 24 and guided by the sliding block 210 sliding along the sliding slot 212, such that the second display section 26 will move from a position that covers part of the keyboard device 204 as shown in FIG. 9 to 15 a position that uncovers the keyboard device 204 as shown in FIG. 13 (at this time, the elastic part 214 is in a compressed state). In the meanwhile, the supporting structure 202 will rotate from a folded state in FIG. 9 to a horizontally expanded state in FIG. 13 with the cover portion 110, wherein the 20 plurality of third supporting layers 206 will be changed from a radial arrangement in FIG. 9 to an arrangement being against one another in FIG. 13. Furthermore, the user can slide the fixing device 208 from a position located on a side of the body portion 102 to a position in FIG. 10, so as to fix the 25 cover portion 110, the connecting portion 108 and the body portion 106. Thus, the electronic device 200 can be in the expanded state securely.

In such a manner, the electronic device 200 cannot only provide an operating sense of opening books, but also provide 30 a bottom of the flexible display panel 14 with a cushion protection and a fully planar support by the soft protecting layer 152, the first supporting layer 116, the second supporting layer 118 and the plurality of third supporting layers 206 when the flexible display panel 14 is in the expanded state. 35 Accordingly, the user can operate the flexible display panel 14 (such as a touch by a touch pen) without concerning damage of the flexible display panel 14 due to a large force applied by user or no support from the bottom of the flexible display panel 14. Furthermore, because the keyboard device 40 204 is not covered by the second display section 26 when the main body 102 is in the expanded state in FIG. 13, the user can use the keyboard device 204 conveniently.

It should be noticed that the said sliding blocks 210 can be against the pulling force from the first display section 24 45 cooperatively with the second display section 26 when the first display section 24 rotates with the cover portion 110 so as to make the second display section 26 slide relative to the body portion 106. Accordingly, the pulling force exerted onto the second display section 26 can be reduced, so as to achieve 50 planar support, the electronic device comprising: the purpose of protecting the second display section 26.

On the other hand, when the user wants to fold up the electronic device 200, the user needs to push the fixing device **208** to be detached from the cover portion **110**, the connecting portion 108 and the body portion 106 first, such that the cover 55 portion 110 can rotate relative to the body portion 106 and the connecting portion 108. Subsequently, the user needs to pull the cover portion 110 to rotate relative to the connecting portion 108 and the body portion 106, such that the main body 102 can be changed from the expanded state in FIG. 13 back 60 to the folded state in FIG. 9. During the said rotating process, the first display section 24 can be folded from the position in FIG. 13 to the position in FIG. 9 with rotary of the cover portion 110. In addition, since the second display section 26 is no longer pulled by the first display section 24, the sliding 65 block 210 can be pushed to slide along the sliding slot 212 by elastic force provided from the elastic part 214, so as to drive

the second display section 26 to move from a position in FIG. 13 back to a position in FIG. 9. Accordingly, an automatic return of the second display section 26 can be achieved. In the meanwhile, the supporting structure 202 will be changed from the expanded state in FIG. 13 back to the folded state in FIG. 9 with rotary of the cover portion 110 as well. Accordingly, the electronic device 200 not only takes the foldable design of the main body 102 to protect the flexible display panel 14, but also has a smaller volume for the user to carry conveniently.

The said guiding design is not limited to assembly of the sliding block and the sliding slot mentioned in the said embodiment, the present invention can also adopt other guiding design. For example, please refer to FIG. 14, which is a partially sectional diagram of the second display section 26 being disposed on the body portion 106 according to another embodiment of the present invention. In this embodiment, the electronic device 200 includes a protruding part 216 instead of the sliding block 210 and the sliding slot 212 mentioned in the aforesaid embodiment. The protruding part 216 is connected to the second supporting layer 118 and is a T-shaped sliding part. A sliding rail 218 is formed on the body portion 106 correspondingly. The protruding part 216 is slidably disposed inside the sliding rail 218, so as to guide the second display section 26 to move relative to the body portion 106 when the cover portion 110 is rotated relative to the body portion 106.

It should be noticed that disposal of the keyboard device 204, the third supporting layer 206, the fixing device 208, the sliding block 210, the sliding slot 212, the elastic part 214, the protruding part 216 and the sliding rail 218 utilized in the electronic device 200 can be alternatively applied to the other embodiments of the present invention, so as to increase the structural variation of the electronic device provided by the present invention. Furthermore, assembly of the keyboard device 204 and the body portion 106 is not limited to the said embodiment. For example, the keyboard device 204 can be pivotally connected to one end of the body portion 106 instead. In such a manner, the keyboard 204 can be folded on the body portion 106 with the flexible display panel 14 when the electronic device 200 is in the folded state, and can be rotated to a side of the body portion 106 for the user to operate when the electronic device 200 is in the expanded state.

Those skilled in the art will readily observe that numerous modifications and alterations of the device and method may be made while retaining the teachings of the invention.

What is claimed is:

- 1. An electronic device for providing a display panel with
 - a main body comprising:
 - a body portion;
 - a connecting portion pivotally connected to the body portion; and
 - a cover portion pivotally connected to the connecting portion so as to be capable of rotating relative to the body portion, a containing space being formed by the cover portion, the body portion and the connecting portion; and
 - a flexible display panel disposed in the containing space in a curved manner, the flexible display panel comprising a first display section and a second display section, the first display section being fixed to the cover portion, the second display section being slidably disposed on the body portion.
- 2. The electronic device of claim 1, wherein the first display section is attached to the cover portion.